

§ 192.755 Protecting cast-iron pipelines.

When an operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed:

(a) That segment of the pipeline must be protected, as necessary, against damage during the disturbance by:

(1) Vibrations from heavy construction equipment, trains, trucks, buses, or blasting;

(2) Impact forces by vehicles;

(3) Earth movement;

(4) Apparent future excavations near the pipeline; or

(5) Other foreseeable outside forces which may subject that segment of the pipeline to bending stress.

(b) As soon as feasible, appropriate steps must be taken to provide permanent protection for the disturbed segment from damage that might result from external loads, including compliance with applicable requirements of §§ 192.317(a), 192.319, and 192.361(b)–(d).

[Amtd. 192–23, 41 FR 13589, Mar. 31, 1976]

APPENDIX A TO PART 192—
INCORPORATED BY REFERENCE

I. List of Organizations and Addresses

A. American Gas Association (AGA), 1515 Wilson Boulevard, Arlington, VA 22209.

B. American National Standards Institute (ANSI), 11 West 42nd Street, New York, NY 10036.

C. American Petroleum Institute (API), 1220 L Street, NW., Washington, DC 20005.

D. The American Society of Mechanical Engineers (ASME), United Engineering Center, 345 East 47th Street, New York, NY 10017.

E. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428.

F. Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (MSS), 127 Park Street, NW., Vienna, VA 22180.

G. National Fire Protection Association (NFPA), 1 Batterymarch Park, P.O. 9101, Quincy, MA 02269–9101.

II. Documents Incorporated by Reference (Numbers in Parentheses Indicate Applicable Editions)

A. American Gas Association (AGA):

(1). AGA Pipeline Research Committee, Project PR–3–805, “A Modified Criterion for Evaluating the Remaining Strength of Corroded Pipe” (December 22, 1989).

B. American Petroleum Institute (API):

(1) API Specification 5L “Specification for Line Pipe (41st edition, 1995).

(2). API Recommended Practice 5L1 “Recommended Practice for Railroad Transportation of Line Pipe” (4th edition, 1990).

(3) API Specification 6D “Specification for Pipeline Valves (Gate, Plug, Ball, and Check Valves)” (21st edition, 1994).

(4) API Standard 1104 “Welding of Pipelines and Related Facilities” (18th edition, 1994).

C. American Society for Testing and Materials (ASTM):

(1) ASTM Designation: A 53 “Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless” (A53–96).

(2) ASTM Designation A 106 “Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service” (A106–95).

(3) ASTM Designation: A 333/A 333M “Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service” (A 333/A 333M–94).

(4) ASTM Designation: A 372/A 372M “Standard Specification for Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels” (A 372/A 372M–95).

(5) ASTM Designation: A 381 “Standard Specification for Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems (A 381–93).

(6) ASTM Designation: A 671 “Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures” (A 671–94).

(7) ASTM Designation: A 672 “Standard Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures” (A 672–94).

(8) ASTM Designation A 691 “Standard Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperatures” (A 691–93).

(9) ASTM Designation D638 “Standard Test Method for Tensile Properties of Plastics” (D638–96).

(10) ASTM Designation D2513 “Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings” (D 2513–87 edition for §192.63(a)(1), otherwise D 2513–96a).

(11) ASTM Designation D 2517 “Standard Specification for Reinforced Epoxy Resin Gas Pressure Pipe and Fittings” (D 2517–94).

(12) ASTM Designation: F1055 “Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing” (F1055–95).

D. The American Society of Mechanical Engineers (ASME):

(1) ASME/ANSI B16.1 “Cast Iron Pipe Flanges and Flanged Fittings” (1989).

(2) ASME/ANSI B16.5 “Pipe Flanges and Flanged Fittings” (1988 with October 1988 Errata and ASME/ANSI B16.5a–1992 Addenda).